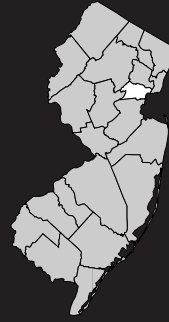


Union County



UNION

Union County Index of Sites

Site Name	Page #
1st Street Ground Water Contamination	2

1st Street Ground Water Contamination

1st Street

Plainfield City

Union County

BLOCK: 207 **LOT:** 25, 26, 30-36

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Not Applicable
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Confirmed

Potable Water

Volatile Organic Compounds

Treating

FUNDING SOURCES

Spill Fund

Corporate Business Tax













AMOUNT AUTHORIZED

\$39,000

\$81,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Sampling conducted by NJDEP's Remedial Response Element in 2001 identified nine private potable wells in this area that were contaminated with volatile organic compounds at levels exceeding New Jersey Drinking Water Standards. The primary contaminants were trichloroethylene (TCE) and tetrachloroethylene (also known as perchloroethylene, or PCE). The source of the contamination is unknown. NJDEP's Environmental Claims Administration installed Point-of-Entry Treatment (POET) systems on the contaminated wells to provide potable water for the residents while additional evaluation of the site was underway. The Remedial Response Element delineated the Currently Known Extent (CKE) of the potable well contamination and completed a water supply alternatives analysis for the site in 2003. Based on the findings, NJDEP concluded the most cost-effective method to supply potable water to the residents was to extend public water lines to the properties in the CKE. The City of Plainfield began installing the water lines in 2003 using funds provided by NJDEP. Additional investigative work is underway to identify possible sources of the ground water contamination at this site.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
Receptor Control (Water Lines)					 Underway
					 Completed
					 Not Required